



Context for Preparing Update 2018

**Policy Advisory Committee Inaugural Meeting
CA Water Plan Update 2018
October 25, 2016**



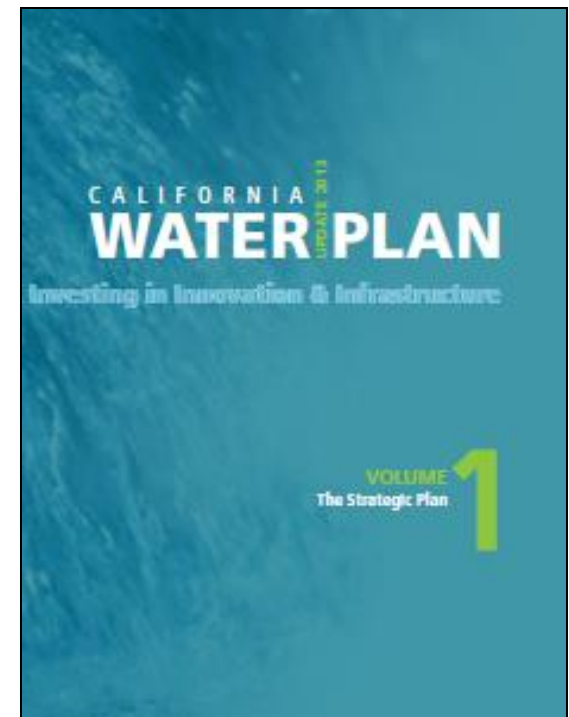
Building from Update 2013

- Status and trends of CA water management
 - Data collection & analysis
 - Statewide water balances
 - Weaving information into a California narrative
- Decision support
 - Strategic water plan
 - Technical analyses
 - Future scenarios / vulnerability assessment
 - Management response evaluation



Building from Update 2013

- Assessment of current & future water resource conditions, risks, challenges, and opportunities
- 200 future land, climate, and water use scenarios
- 12 regional reports
- 30+ resource management strategies
- 350 recommendations
- **Emphasis on:**
 - Finance Planning
 - Groundwater, Flood, & Ecosystems
 - Identifying societal values
 - Sustainability indicators & progress reporting
 - State agency engagement & alignment
 - Enhancing data and analysis



Update 2013 Framed Why We Should Care

Reduced Prosperity for Future Generations

- Greater Drought Impacts - Unreliable Water Supplies
- Increasing Flood Risk
- Groundwater Depletion and Subsidence
- Degraded Water Quality
- Declining Environmental Conditions
- Aging Infrastructure
- Climate Change Impacts



Low water level at Folsom Lake (January 2014)

Update 2013 Scoped and Framed Integrated Water Management



Three Themes of Update 2013

- Commit to Integrated Water Management
- Strengthen Government Agency Alignment
- Invest in Innovation and Infrastructure

Integrated Water Management

System flexibility and resiliency
Advocacy from implementers and financiers
Delivery of benefits using fewer resources

Government Agency Alignment

Clarification of state roles
Reduction in implementation time and costs
Efficient achievement of multiple objectives

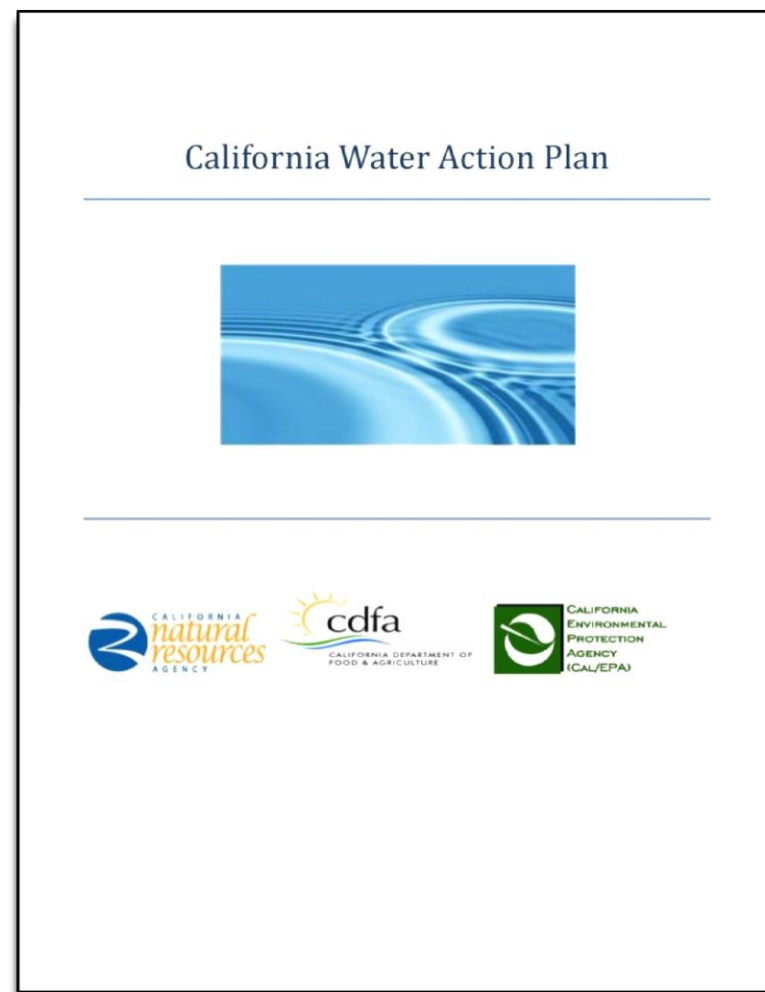
Investment in Innovation and Infrastructure

Stable and strategic funding
Priority-driven funding decisions
Equitable and innovative finance strategies

Governor's Water Action Plan

A 5-Year Plan to Meet 3 Broad Goals

- **Reliability --**
more reliable water supplies
for our farms & communities
- **Restoration –**
restoring important
wildlife habitat & species
- **Resilience --**
more resilient, sustainably
managed water systems
& environment (supply,
quality, flood protection &
ecosystems)



Governor's Water Action Plan

A Diverse Water Portfolio of 10 Priority Actions

1. Make conservation a California way of life
2. Increase regional self-reliance and integrated water management across all levels of government
3. Achieve the co-equal goals for the Delta
4. Protect and restore important ecosystems
5. Manage and prepare for dry periods
6. Expand water storage capacity and improve groundwater management
7. Provide safe water for all communities
8. Increase flood protection
9. Increase operational and regulatory efficiency
10. Identify sustainable and integrated financing opportunities



Update 2013 -- a Resource Guide for Implementing the Governor's Water Action Plan

California Water Plan Update 2013 | Highlights

A Resource for Implementing the Governor's Water Action Plan

This is a guide to assist with implementing the Governor's priority water actions in a manner aligned with the State's long-term, strategic vision for water. It links two key State government plans: the Governor's Water more long-term California Water Plan Update 2013 (Update 2013). Linkages are shown between implementation actions in Update 2013 that advance one or more of the Governor's 10 priorities in the Five-Year Plan. Update 2013 represent the alignment of nearly 40 State agency plans and are well supported by the State's diverse stakeholder groups and opinion leaders.

Using this table as an entry point, implementers can access the over 350 specific actions in Update 2013. The Update 2013 actions are presented topically by the 17 objectives and related resource management strategies actions behind the objectives and RMs can be accessed in Volume 1, Chapter 8 Roadmap for Action and Volume 3 Resource Management Strategies, respectively.

Water Action Plan's 10 Essential Actions	Make conservation a California way of life	Invest in integrated water management and increase regional self-reliance	Achieve the coequal goals for the Delta	Protect and restore important ecosystems	Manage and prepare for dry periods	Expand water storage capacity	Provide safe drinking water and secure wastewater systems to all communities	Increase flood protection
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Update 2013 Objectives and Management Strategies

Update 2013 Objectives (Volume 1, Chapter 8)	#2 – Use and Reuse Water More Efficiently	#1 – Strengthen Integrated Regional Water Management Planning #17 – Improve Integrated Water Management Finance Strategy and Investments	#7 – Manage the Delta to Achieve the Coequal Goals for California	#4 – Protect and Restore Surface Water and Groundwater Quality #5 – Practice Environmental Stewardship #9 – Reduce the Carbon Footprint of Water Systems and Water Uses #14 – Public access to waterways, lakes, and beaches	#2 – Use and Reuse Water More Efficiently #3 – Expand Conjunctive Management of Multiple Supplies #7 – Manage the Delta to Achieve the Coequal Goals for California #8 – Prepare Prevention, Response, and Recovery Plans	#3 – Expand Conjunctive Management of Multiple Supplies (includes groundwater and surface storage)	#4 – Protect and Restore Surface Water and Groundwater Quality #12 – Strengthen Tribal/State and natural resources management #13 – Ensure Equitable Distribution of Benefits	#6 – Improve Flood Protection
Resource Management Strategies (Volume 3)	<ul style="list-style-type: none"> Ag Water Use Efficiency Urban Water Use Efficiency Recycled Municipal Water Outreach and Engagement Economic Incentives 	All 30+ RMs can enhance regional self-reliance, depending on where they are implemented and how the benefits are allocated.	All 30+ RMs have the potential to help meet Delta coequal goals, depending on where they are implemented and how the benefits are allocated.	<ul style="list-style-type: none"> Six RMs pertaining to water quality Ag Lands Stewardship Ecosystem Restoration Forest Mgmt. Land Use Planning and Mgmt. Recharge Area Protection Sediment Mgmt. Watershed Mgmt. 	(Partial list) <ul style="list-style-type: none"> Ag Water Use Efficiency Urban Water Use Efficiency Recycled Municipal Water Conjunctive Mgmt. of Surface and Groundwater CALFED/Local/Regional Surface Storage 	<ul style="list-style-type: none"> Conjunctive Mgmt. of Surface and Groundwater CALFED Surface Storage Local/Regional Surface Storage 	Nearly all can help protect water and to all communities depending on where they are implemented and how the benefits are allocated.	

Cross-Cutting Objectives (Volume 1, Chapter 8)

- #10 – Improve Data, Analysis, and Decision-Support Tools
- #11 – Invest in Water Technology and Science
- #12 – Strengthen Tribal/State Relations and Natural Resource Management
- #13 – Ensure Equitable Distribution of Benefits
- #15 – Strengthen Alignment of Land Use Planning and Integrated Water Management
- #16 – Strengthen Alignment of Government Processes and Tools
- #17 – Improve Integrated Water Management Finance Strategy and Investments

Governor's California Water Action Plan



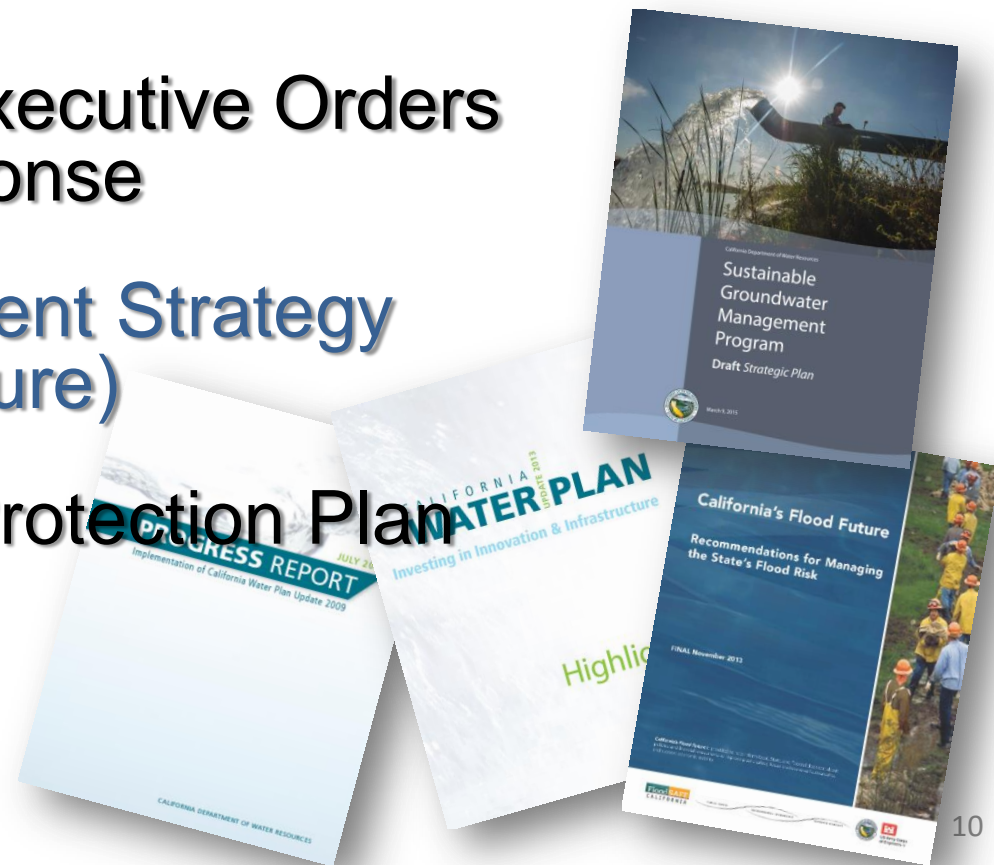
2014



VOLUME 1
The Strategic Plan

Alignment of State Plans & Initiatives

- Sustainable Groundwater Management Act
- Proposition 1 GO Bond
- Governor's Drought Executive Orders & State Drought Response
- State Flood Management Strategy (California's Flood Future)
- Central Valley Flood Protection Plan
- And others ...



Key Challenges & Drivers of Change

- Flood & drought risk – public health & safety
- Unreliable & degraded water supplies
- Groundwater depletion & subsidence
- Habitat & species declines & new regulations
- Growth & development
- Land use – water nexus
- Climate change -- impacts & adaptation
- Water governance & finance



Envisioning California Water Sustainability



Questions & Comments



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